

List of talks

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Summary

- **16** invited talks in conferences and workshops
- **2** invited lectures
- **8** seminars
- **12** contributed talks in conferences and workshops

Invited talks at conferences and workshops

Conferences

- [IC9] *Elastic stress and quantum dots in photonic wire antennas*
IEEE Photonics Society Summer Topical Meeting Series, Newport Beach, USA, July 2016.
- [IC8] *Photonic trumpets for quantum optics and QD-hybrid optomechanics*
Second International Conference of Young Researchers on Advanced Materials (**IUMRS-ICYRAM 2014**), Haiku, China, October 2014.
- [IC7] *Harnessing light with photonic wires: from needles to trumpets*
SPIE Optics + Photonics, San Diego, USA, August 2013.
- [IC6] *Harnessing quantum light with photonic wire antennas*
EMN Spring, Orlando, USA, April 2013.
- [IC5] *Quantum Optics with a Quantum Dot in a Photonic Nanowire*
SPIE Photonics West, San Francisco, USA, January 2012.
- [IC4] *Le fil photonique, une nouvelle géométrie pour la réalisation de sources de lumière quantique efficaces*, Colloque sur les Lasers et l'Optique Quantique (**COLOQ'12**), Marseille, France, July 2011.
- [IC3] *Quantum Optics with Quantum Dots in Photonic Nanowires*
Conference on lasers and electro-optics, European quantum electronics conference (**CLEO/EUROPE-EQEC 2011**), Munich, Germany, May 2011.
- [IC2] *A highly efficient single-photon source based on a quantum dot in a photonic wire*
3rd Mediterranean Conference on Nanophotonics (**MediNano-3**), Belgrade, Serbia, October 2010.
- [IC1] *Coherent oscillations in a current biased dc-SQUID*
Vth Rencontres de Moriond in Mesoscopic Physics, Moriond, Italy, January 2004.

Workshops

- [IW7] *Large and uniform optical response of self-assembled quantum dots to external strain evidenced in hybrid cylindrical core-shell nanostructures*, 3rd International Workshop on "Engineering of Quantum Emitter Properties", Linz, Austria, December 2015.
- [IW6] *Harnessing light with photonic wires: from needles to trumpets*
7th Russian-French workshop on Nanosciences and Nanotechnology, Novosibirsk, Russia, June 2013.
- [IW5] *Quantum optics with a quantum dot inserted in a photonic nanowire*
7th Korean-German/6th Korean-French Workshop on Nanophotonics and Spintronics, Bronnbach, Germany, October 2011.
- [IW4] *Quantum optics with a quantum dot inserted in a photonic nanowire*
International Workshop on Epitaxial Growth and Fundamental Properties of Semiconductor Nanostructures (**SemiconNano 2011**), Traunkirchen, Austria, September 2011.

- [IW3] *A highly efficient single-photon source based on a quantum dot in a photonic wire*
Workshop on Nanophotonics, Würzburg, Germany, October 2010.
- [IW2] *Novel photon confinement geometries for high efficiency quantum dot single photon sources*
International Workshop on the Optical Properties of Low-Dimensional Systems: Controlling Spin and Photons at the Nanoscale (**OPLDS 2007**), Ottawa, Canada, May 2007.
- [IW1] *Quantum dynamics in a dc-SQUID*
Workshop on Decoherence in Solid States Qubits, Paris, France, May 2005.

Invited lectures

- [L2] *Spontaneous emission control in the solid-state: application to quantum optics*
Capita Selecta lecture for the Nanoscience and Nanotechnology international master (Grenoble, Leuven, Chalmers, Dresden), March 2016.
- [L1] *Fiber-like photonic nanowires: A new resource for solid-state quantum optics*
41st "Jaszowiec" International School and Conference on the Physics of Semiconductors (Krynica-Zdrój, Poland, June 2012).

Seminars

- [S8] KTH Royal Institute of Technology (Stockholm, Sweden, March 2017), invited by Prof Valery Zwiller.
- [S7] Midis-Minatec (Grenoble, France, February 2015).
- [S6] Max Planck Institute for the Science of Light (Erlangen, Germany, November 2014), invited by Prof. V. Sandoghdar.
- [S5] DTU Fotonik (Lyngby, Denmark, June 2012), invited by Profs. N. Gregersen and J. Mork.
- [S4] Niels Bohr Institute (Copenhagen, Denmark, June 2012), invited by Prof. P. Lodahl.
- [S3] Laboratoire Pierre Aigrain (Ecole Normale Supérieure, Paris, France, March 2012), invited by Dr. F. Carosella and C. Diederichs.
- [S2] Séminaire du Département Nano de l'Institut Néel (Grenoble, France, January 2010), invited by Dr. H. Mariette.
- [S1] Midis-Minatec, (Grenoble, France, February, 2010), invited by C. Janniaux.

Contributed talks at conferences and workshops

Conferences

- [CC8] *Photonic trumpets for quantum optics and QD-hybrid optomechanics*
International Conference on Physics of Light–Matter Coupling in Nanostructures (**PLMCN 15**), Montpellier, France, June 2014.
- [CC7] *Harnessing light with photonic wires: from needles to trumpets*
5th International Conference on One dimensional Nanomaterials (**ICON 2013**), Annecy, France, September 2013.
- [CC6] *A bright single-photon source based on a photonic trumpet*
31st International Conference on the Physics of Semiconductors (**ICPS 2012**), Zurich, Switzerland, August 2012.
- [CC5] *A highly efficient single-photon source based on a quantum dot in a photonic wire*
SPIE Photonics Europe 2010, Bruxelles, Belgique, April 2010.
- [CC4] *A Highly Efficient Single Photon Source in the Photonic Wire Geometry*
Optics of Excitons in Confined Systems (**OECS 11**), Madrid, Spain, September 2009.

- [CC3] *Une source de photons uniques efficace basée sur une boîte quantique intégrée dans un fil photonique*, 12^{ème} journées de la matière condensée (**JMC12**), Troyes, France, August 2010.
- [CC2] *High Efficiency Single Photon Source: The Photonic Wire Geometry*
Conference on lasers and electro-optics, International quantum electronics conference (**CLEO/IQEC 2009**) Baltimore, USA, June 2009.
- [CC1] *Photonic wires: a novel geometry for high-efficiency single photon sources*
International Conference on the Physics of Semiconductors (**ICPS 2008**), Rio de Janeiro, Brasil, August 2008.

Workshops

- [CW4] *Large and uniform optical emission shifts in quantum dots strained along their growth axis*
Workshop Single Photons Single Spins, Oxford, UK, September 2016.
- [CW3] *The photonic trumpet: Broadband dielectric antenna for efficient coupling between a solid-state quantum light emitter and a Gaussian beam*, GDR Information quantique: fondements et applications (**IQFA**) Grenoble, France, November 2012.
- [CW2] *A highly efficient single photon source based on a QD in a photonic nanowire*
LIA workshop, Pinsot, France, June 2010.
- [CW1] *Oscillations cohérentes dans un SQUID-dc*
Réunion plénière du GDR de Physique Quantique Mésoscopique, Aussois, France, December 2004.